

GILA RIVER BASIN

09485900 PIMA WASH NEAR TUCSON, AZ

LOCATION.--Lat 32°20'15", long 110°57'35", SW¹/₄SW¹/₄ sec.31, T.12 S., R.14 E., Pima County, Hydrologic Unit 15050302, at Ina Road, and 4 mi north of Tucson city limits.

DRAINAGE AREA.--4.93 mi².

Annual peak discharge

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1964	09-06-64	195		1974	09-07-74	5.0	LT
1965	00-00-65	120	LT	1975	10-30-74	10	LT
1966	12-22-65	125		1976	09-26-76	2.0	ES
1967	07-17-67	65		1977	01-00-77	10	ES
1968	08-06-68	50		1978	07-26-78	300	
1969	09-06-69	2.0	ES	1979	12-18-78	100	
1970	00-00-70	80		1980	09-26-80	30	
1971	08-12-71	117		1981	05-01-81	5.0	
1972	09-01-72	170		1984	10-01-83	¹ 460	HP
1973	10-19-72	195					

¹Highest since 1963.

Magnitude and probability of instantaneous peak flow based on period of record 1964-81, 1984

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
74.2	177	269	407	524	652
Weighted skew	(logs) =	-0.39			
Mean	(logs) =	1.84			
Standard dev.	(logs) =	0.48			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
533	5.5	4,430	18.0	1.0	16.0	1.9	4.5

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